As below named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name.

I verily believe I am the original, first and sole or joint inventor (if plural, inventors are named below) of the invention entitled:

SUPERRESOLUTION IN PE	RIODIC DATA STORAGE MEDIA	
the specifications and dra	wings of which	·
(check one)	lacktriangle is attached hereto.	
	was filed on	(if applicable)
i hereby state that I have specification and drawings	reviewed and understood the con , including the claims.	tents of the above identified
this application to the Pa Lib6. Lipereby state that I do nabove specification, claim before my invention thereo before my invention thereo dot in public use or on sa application, that the invention derificate issued before	tent Office in accordance with T  ot know and do not believe that s and drawings was ever known or f, or the patented or described f or more than one (1) year prio le in the United States of Ameri ntion has not been patented or m the date of this application in on filed by me or my legal repre	own to be material to the examination of itle 37, Code of Federal Regulations, §  the invention which is the content of the used in the United States of America in any printed publication in any country r to this application, that the same was ca more than one (1) year prior to this ade the subject of the inventor's any country foreign to the United States sentatives or assigns more than twelve ons for patents or inventor's certificate
on the invention filed in	any country foreign to the Unite gal representative or assigns.	d States of America prior to this
$\square$ no such applications	s have been filed, or	
⊠ such applications hav	e been filed as follows:	
EARLIEST FOREIGN APPLICAT	rion(s), if any, filed within 12 i	MONTHS PRIOR TO THIS APPLICATION

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS PRIOR TO THIS APPLICATION				
COUNTRY CLAIMED	APPLICATION NO.	DATE OF FILING (DAY, MO.,YR.)	DATE OF ISSUE (DAY, MO.,YR.)	PRIORITY UNDER 35 USC 119
				YES D NO D
ALL FOREIGN APPLICATIONS, IF ANY, FILED MORE THAN 12 MONTHS PRIOR TO THIS APPLICATION				
PROVISIONAL APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS OF THIS APPLICATION				
COUNTRY CLAIMED	APPLICATION NO.	DATE OF FILING (DAY, MO.,YR.)	DATE OF ISSUE (DAY, MO.,YR.)	PRIORITY UNDER 35 USC 120
us	60/258,302	28/ Dec/2000		YES⊠ NO □

POWER OF ATTORNEY: As a named inventor, I hereby appoint the attorney(s) and/or agent(s) listed below to prosecute to application and transact all bus s in the Patent and Trademark Office connected below to prosecute to application and transact all bus s in the Patent and Trademark Office connected below to prosecute to application and transact all bus s in the Patent and Trademark Office connected below to prosecute to application and transact all bus s in the Patent and Trademark Office connected below to prosecute to application and transact all bus s in the Patent and Trademark Office connected below to prosecute to application and transact all bus s in the Patent and Trademark Office connected below to prosecute to application and transact all bus s in the Patent and Trademark Office connected below to prosecute to application and transact all bus s in the Patent and Trademark Office connected below to prosecute to application and transact all bus s in the Patent and Trademark Office connected below to prosecute to application and transact all bus s in the Patent and Trademark Office connected below to prosecute to application and transact all bus s in the Patent and Trademark Office connected below to prosecute to the property of the pr

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from <a href="HILL & SCHUMACHER">HILL & SCHUMACHER</a> as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the person's from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

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	FULL NAME OF INVENTOR	FAMILY NAME KRAEMER	FIRST GIVEN NAME  DARREN	SECOND GIVEN NAME
201	RESIDENCE & CITIZENSHIP	CITY TORONTO	STATE OR FOREIGN COUNTRY ONTARIO, CANADA	COUNTRY OF CITIZENSHIP CANADA
<b>l</b>	POST OFFICE ADDRESS	POST OFFICE ADDRESS  33 HIMOUNT DRIVE	TORONTO	STATE & ZIP CODE/COUNTRY ONTARIO M2K 1X3 CANADA
	FULL NAME OF INVENTOR	FAMILY NAME SIWICK	first given name BRADLEY	SECOND GIVEN NAME
<b>1</b> 202	RESIDENCE & CITIZENSHIP	TORONTO	STATE OR FOREIGN COUNTRY  ONTARIO, CANADA	COUNTRY OF CITIZENSHIP  CANADA
man	POST OFFICE ADDRESS	POST OFFICE ADDRESS 155 DALHOUSIE STREET, APT 955	TORONTO	STATE & ZIP CODE/COUNTRY ONTRAIO, M5B 2P7 CANADA
T T L	FULL NAME OF INVENTOR	FAMILY NAME MILLER	FIRST GIVEN NAME R.J.	SECOND GIVEN NAME  DWAYNE
203	RESIDENCE & CITIZENSHIP	PORT CREDIT	STATE OR FOREIGN COUNTRY ONTARIO, CANADA L5G 3J6	COUNTRY OF CITIZENSHIP CANADA
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 21 ELMWOOD AVENUE SOUTH	PORT CREDIT	STATE & ZIP CODE/COUNTRY ONTARIO L5G 3J6 CANADA

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE	DATE	DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Darren Kraemer, Bradley Siwick and R.J. Dwayne Miller

TITLE:

SUPPERRESOLUTION IN PERIODIC DATA STORAGE MEDIA

SERIAL NUMBER:

DOCKET NUMBER: 13850

FILED: 12/17/2001

## VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS

## [ X ] FOR INDEPENDENT INVENTOR

As a below-named inventor, I hereby declare that I am an independent inventor who (1) has not assigned, granted, conveyed, or licensed, and (2) is under no obligation under contract or law, to assign, grant, convey, or license, any rights in the invention, to any person who could not likewise be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a nonprofit organization, as defined in 37 CFR 1.9.

## [ ] FOR SMALL BUSINESS CONCERN

I further declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful, false statements and the like, so made, are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the patent application or any patent issuing thereon.

INVENTOR(S):	SMALL BUSINESS CONCERN:
Darren Kraemer	By: Name:
Date:	Title: Date:
Bradley Siwick	_
Date:	_
R.J. Dwayne Miller	_
Date:	